

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054910.D
 Acq On : 2 Apr 2019 18:55
 Operator : JC/SP
 Sample : K1696-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Quant Time: Apr 03 06:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	555675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	924692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	795502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	305341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	363962	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	7.59	113	293764	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	10.09	98	1106838	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.40	95	357059	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

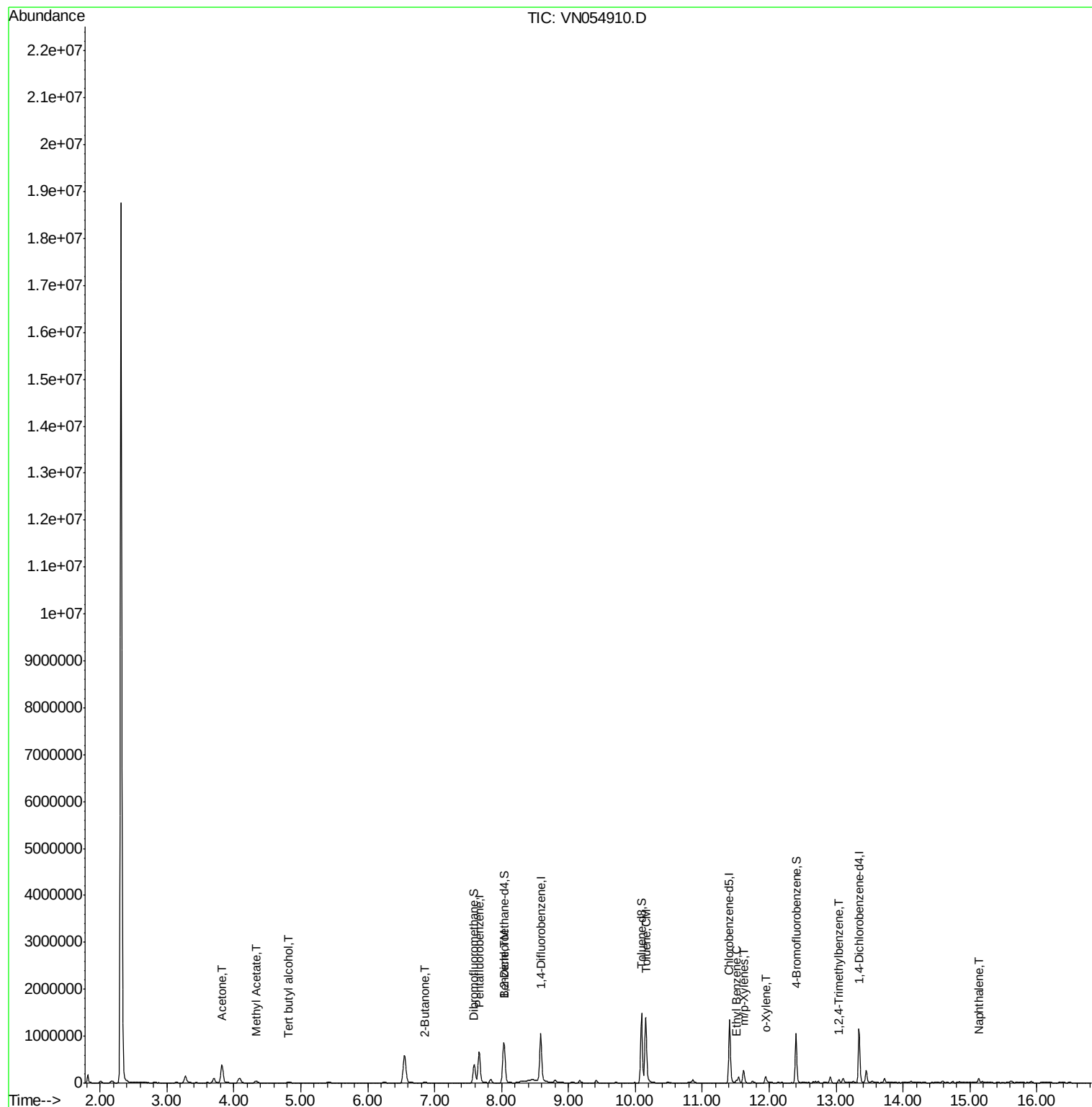
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.82	59	36499	93.521	ug/l #	92
16) Acetone	3.82	43	654041	366.152	ug/l #	82
18) Methyl Acetate	4.33	43	86980	18.109	ug/l #	88
25) 2-Butanone	6.85	43	37175	14.079	ug/l	95
40) Benzene	8.04	78	554482	22.490	ug/l	100
52) Toluene	10.16	92	616700	42.037	ug/l	100
67) Ethyl Benzene	11.51	91	39057	1.390	ug/l	94
68) m/p-Xylenes	11.62	106	84897	8.162	ug/l	94
69) o-Xylene	11.95	106	32839	3.220	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	42373	2.172	ug/l	90
95) Naphthalene	15.13	128	71976	6.540	ug/l	99

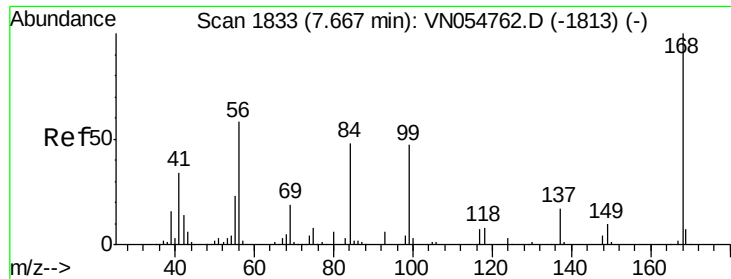
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
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QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054910.D

Acq: 2 Apr 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

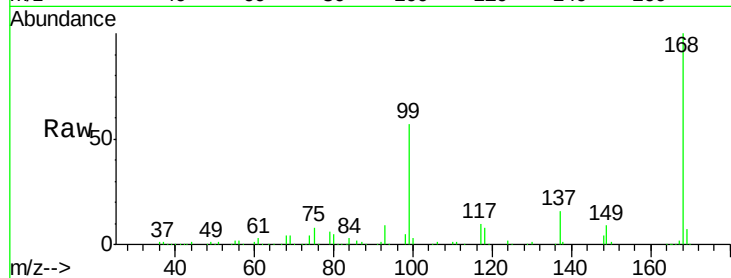
COMP-1

Tot Ion:168 Resp: 555675

Ion Ratio Lower Upper

168 100

99 57.0 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

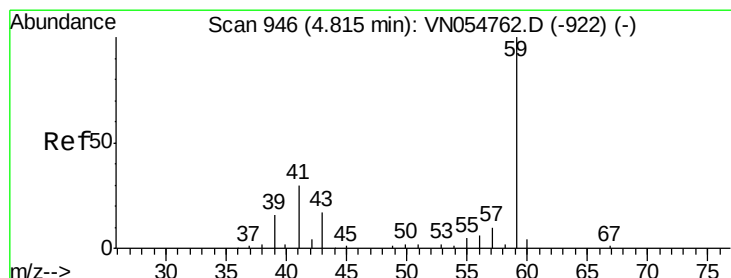
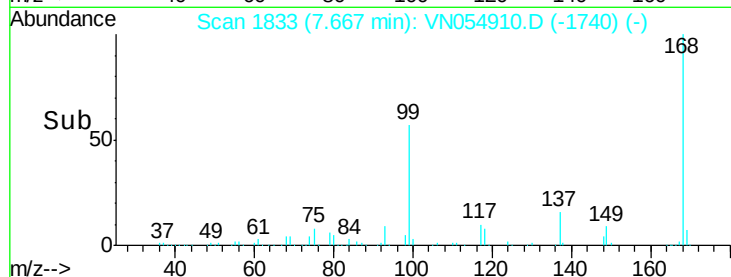
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 93.521 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.00 min

Lab File: VN054910.D

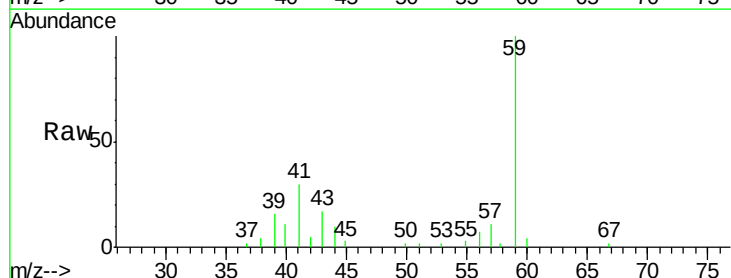
Acq: 2 Apr 2019 18:55

Tgt Ion: 59 Resp: 36499

Ion Ratio Lower Upper

59 100

57 8.4 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.82

12000

10000

8000

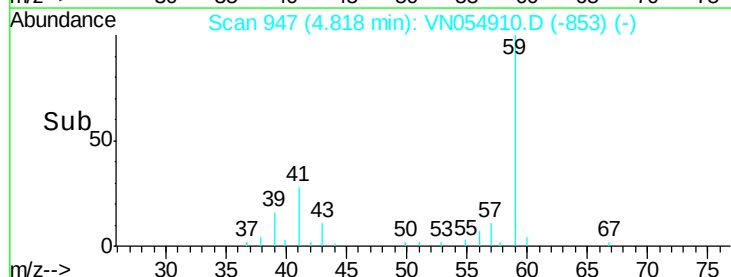
6000

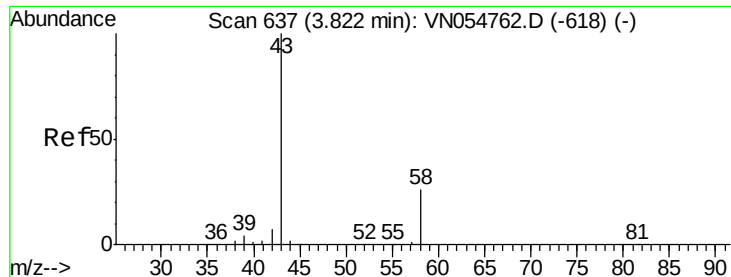
4000

2000

0

Time-->

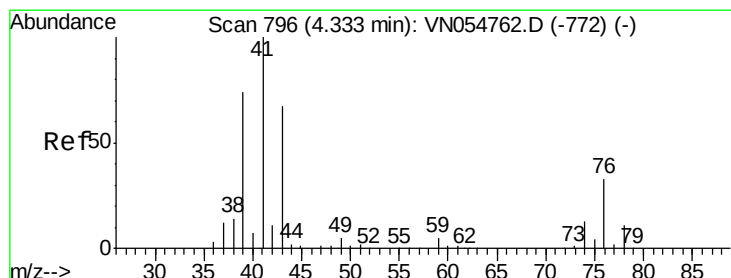
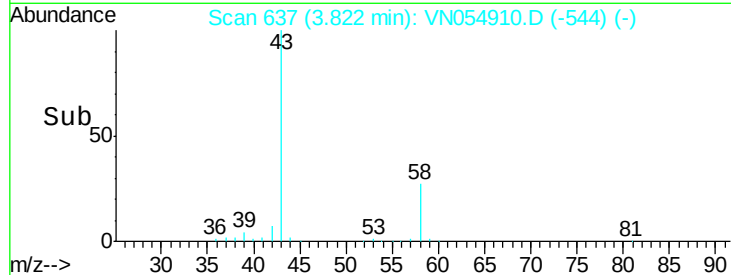
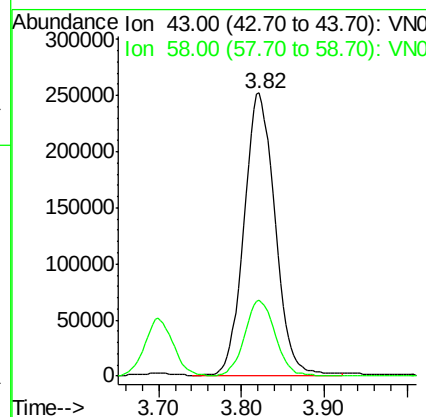
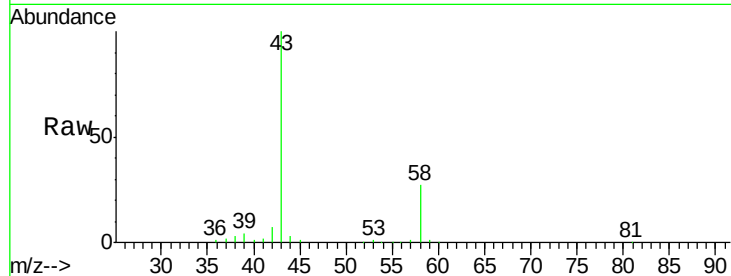




#16
 Acetone
 Concen: 366.152 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054910.D
 Acq: 2 Apr 2019 18:55

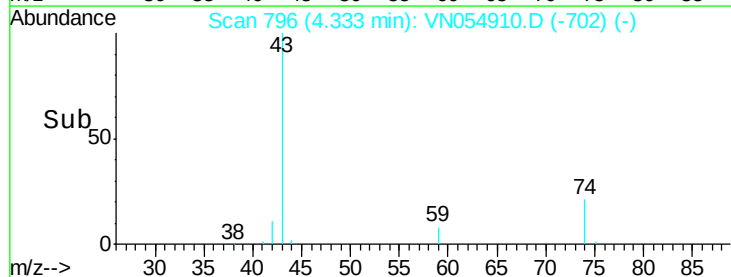
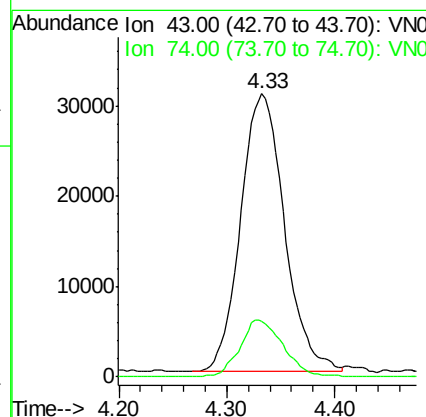
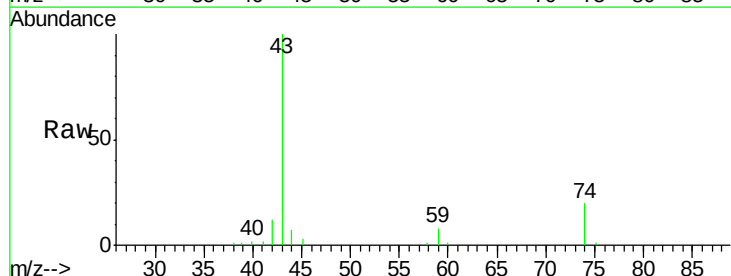
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-1

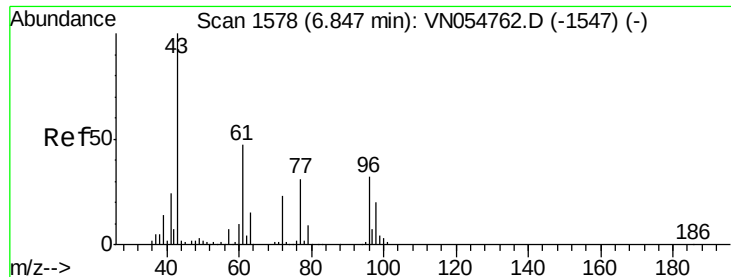
Tot Ion: 43 Resp: 654041
 Ion Ratio Lower Upper
 43 100
 58 26.6 29.9 44.9#



#18
 Methyl Acetate
 Concen: 18.109 ug/l
 RT: 4.33 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: VN054910.D
 Acq: 2 Apr 2019 18:55

Tgt Ion: 43 Resp: 86980
 Ion Ratio Lower Upper
 43 100
 74 20.1 20.8 31.2#





#25

2-Butanone

Concen: 14.079 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054910.D

Acq: 2 Apr 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

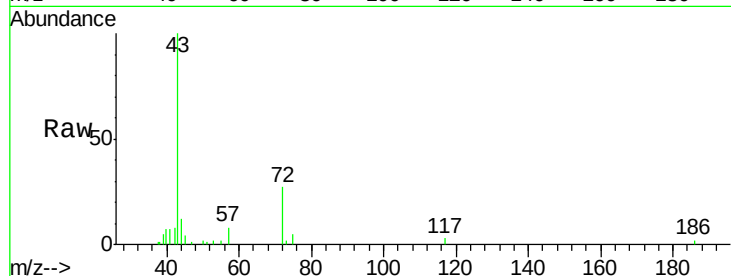
COMP-1

Tot Ion: 43 Resp: 37175

Ion Ratio Lower Upper

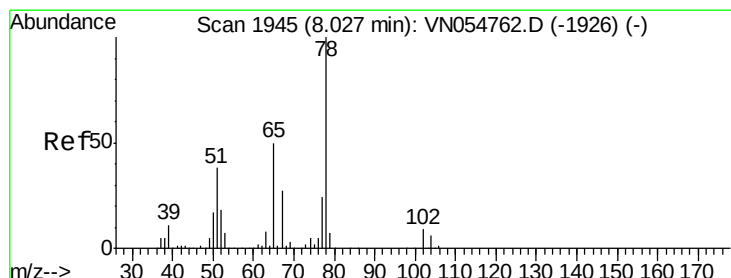
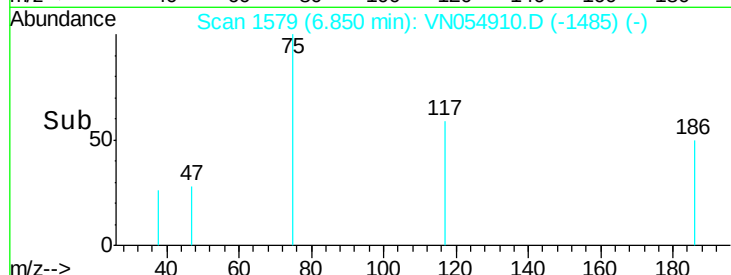
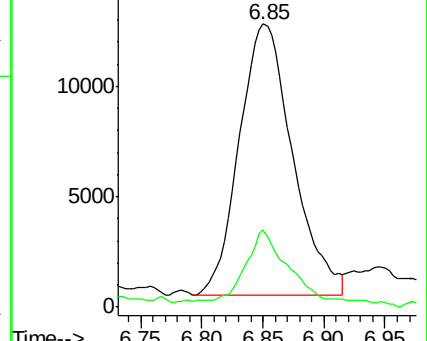
43 100

72 26.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.589 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054910.D

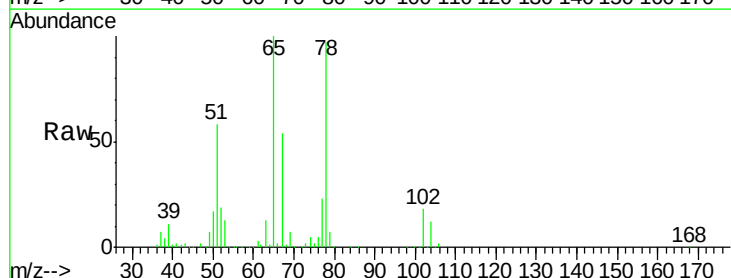
Acq: 2 Apr 2019 18:55

Tgt Ion: 65 Resp: 363962

Ion Ratio Lower Upper

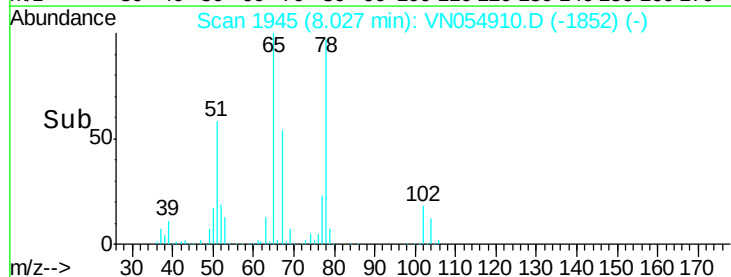
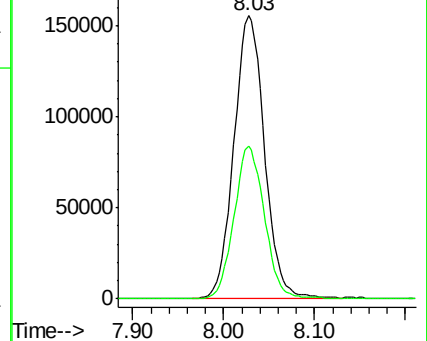
65 100

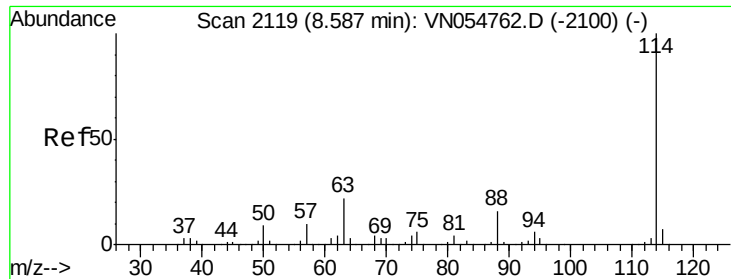
67 53.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

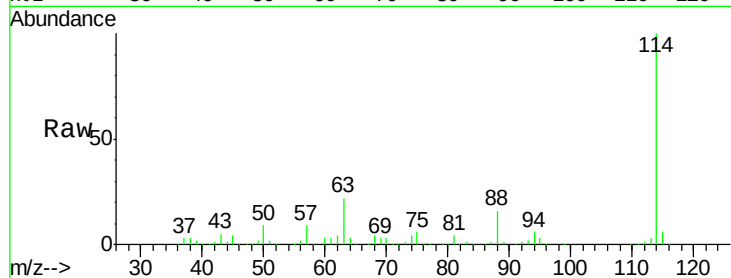




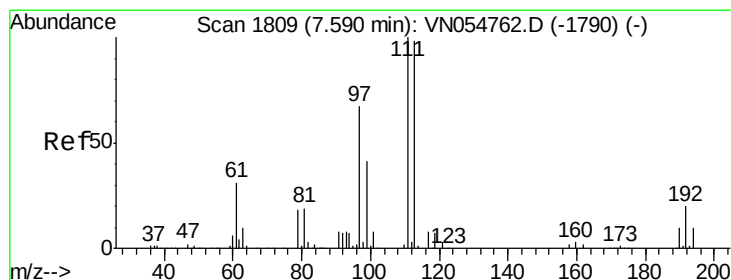
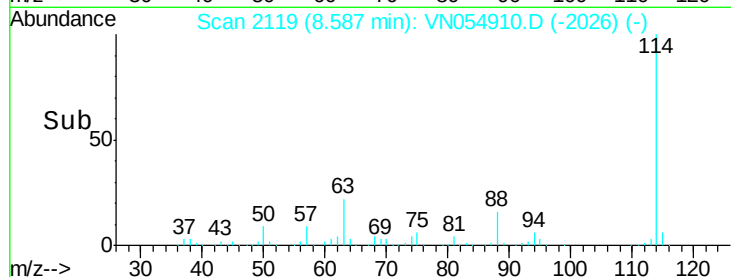
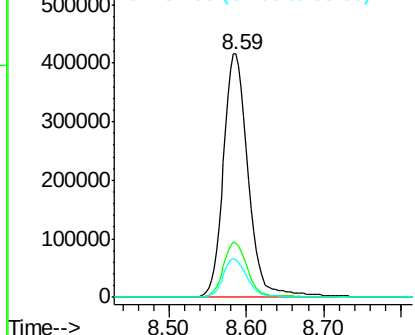
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054910.D
 Acq: 2 Apr 2019 18:55

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-1

Tot Ion:114 Resp: 924692
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 15.6 0.0 30.2

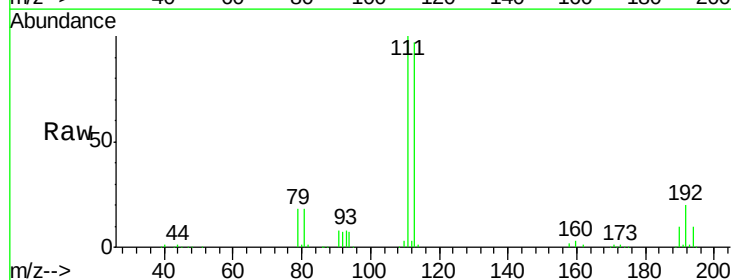


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

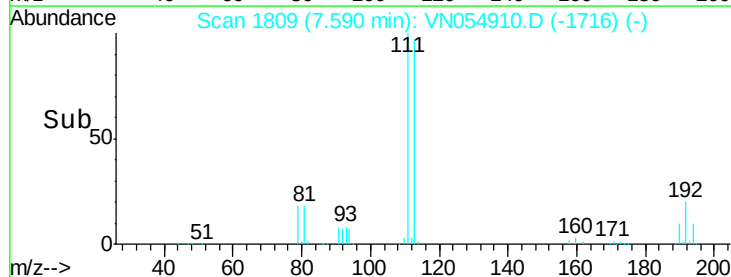
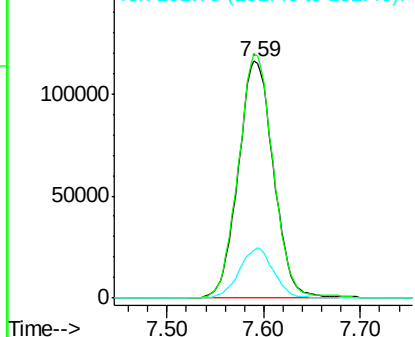


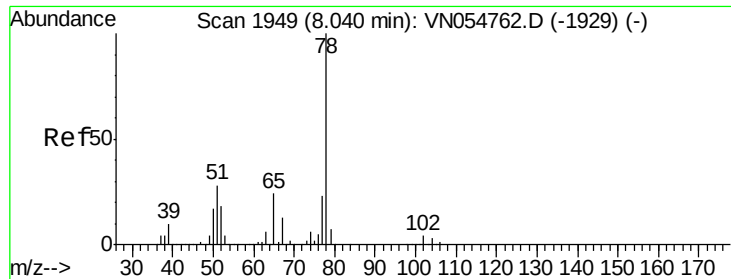
#35
 Dibromofluoromethane
 Concen: 47.652 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054910.D
 Acq: 2 Apr 2019 18:55

Tgt Ion:113 Resp: 293764
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 20.6 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 22.490 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054910.D

Acq: 2 Apr 2019 18:55

Instrument :

MSVOA_N

ClientSampled :

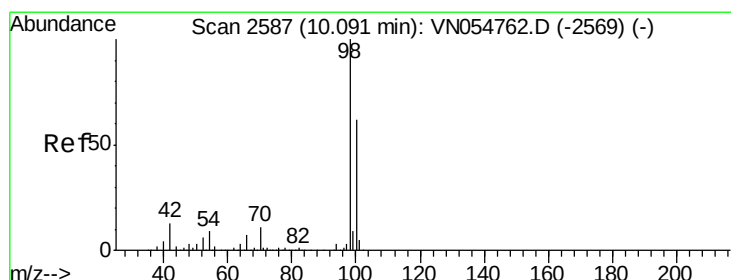
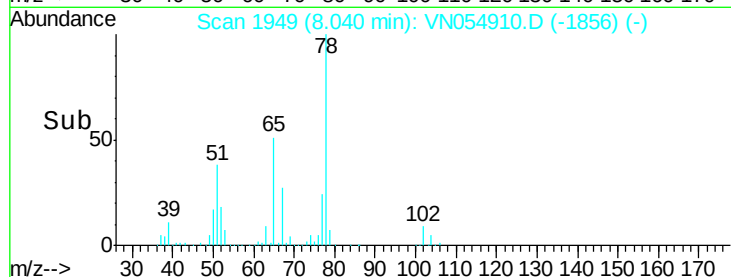
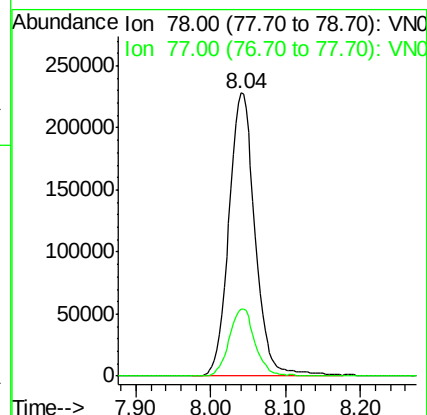
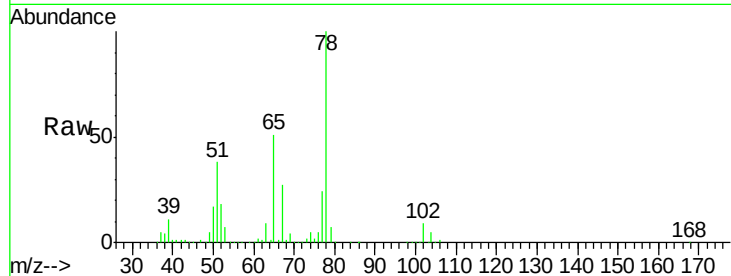
COMP-1

Tot Ion: 78 Resp: 554482

Ion Ratio Lower Upper

78 100

77 23.7 19.1 28.7



#50

Toluene-d8

Concen: 48.292 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054910.D

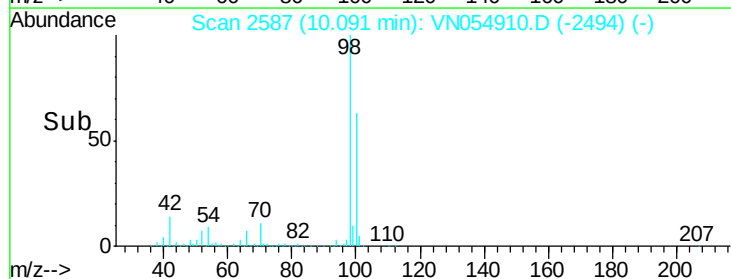
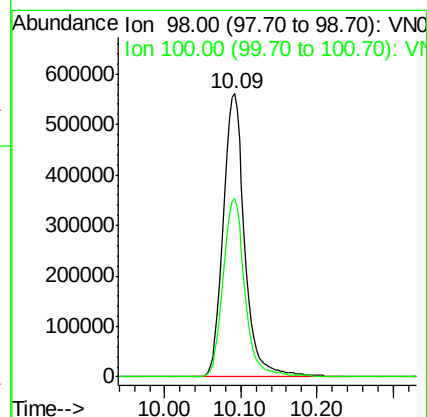
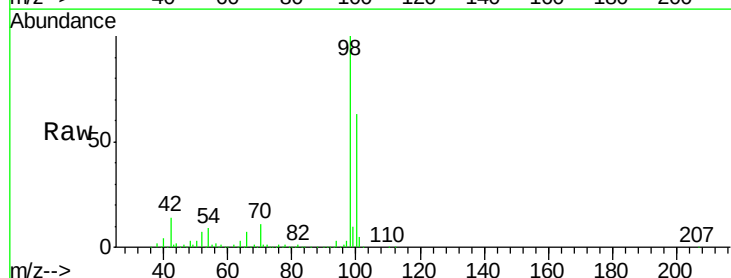
Acq: 2 Apr 2019 18:55

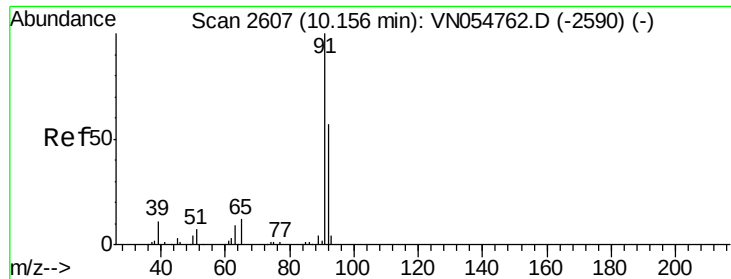
Tgt Ion: 98 Resp: 1106838

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8





#52

Toluene

Concen: 42.037 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054910.D

Acq: 2 Apr 2019 18:55

Instrument :

MSVOA_N

ClientSampled :

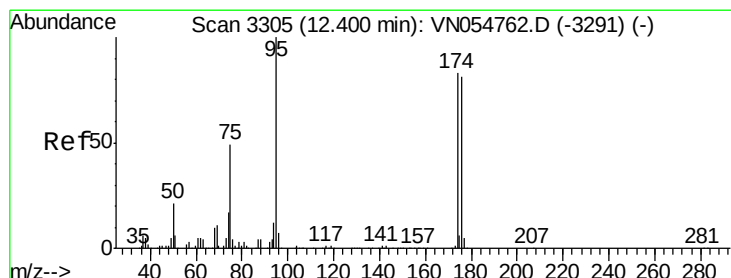
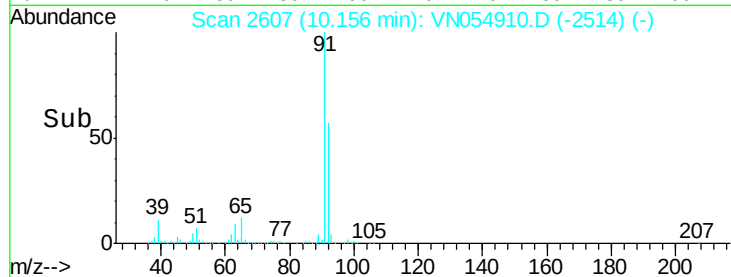
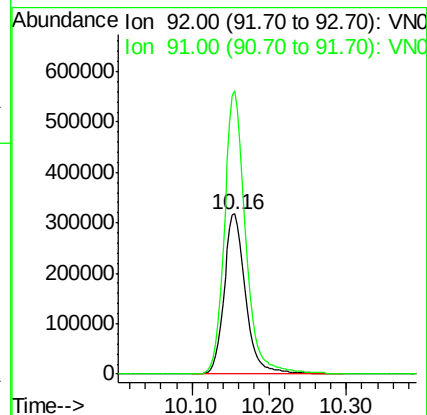
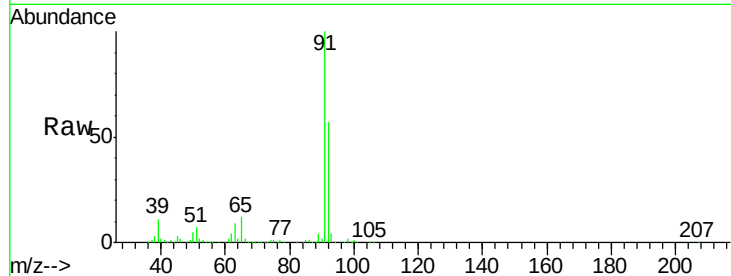
COMP-1

Tot Ion: 92 Resp: 616700

Ion Ratio Lower Upper

92 100

91 175.3 140.7 211.1



#62

4-Bromofluorobenzene

Concen: 46.843 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054910.D

Acq: 2 Apr 2019 18:55

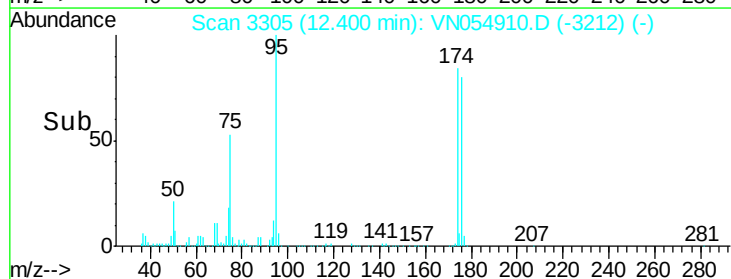
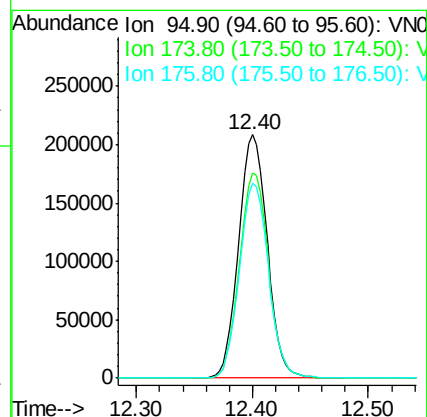
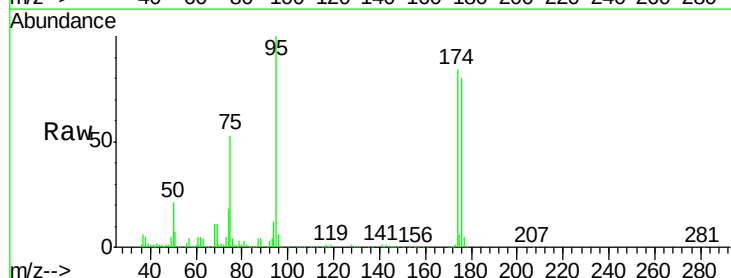
Tgt Ion: 95 Resp: 357059

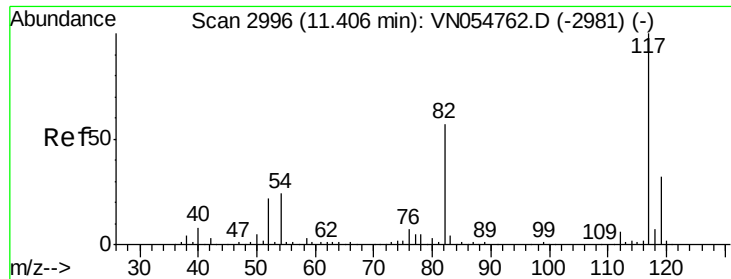
Ion Ratio Lower Upper

95 100

174 85.3 0.0 191.0

176 81.2 0.0 187.4

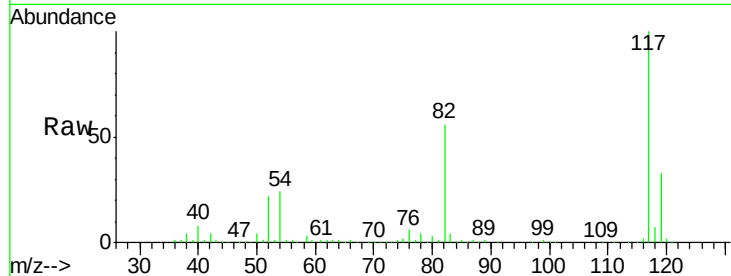




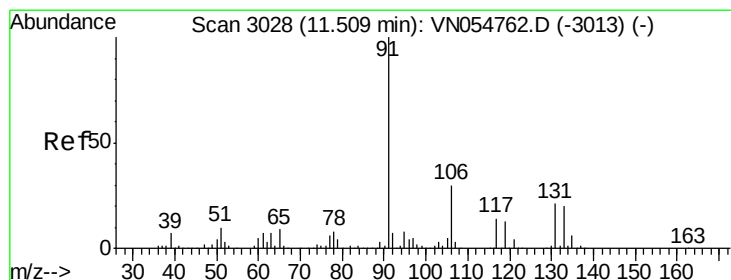
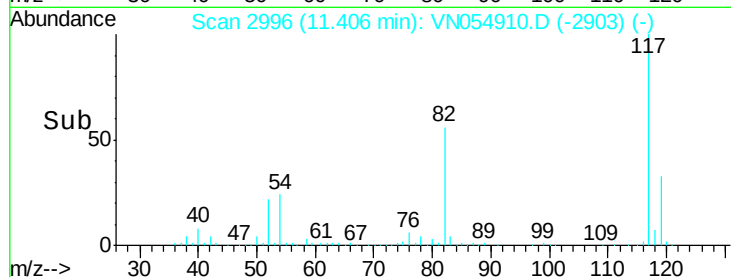
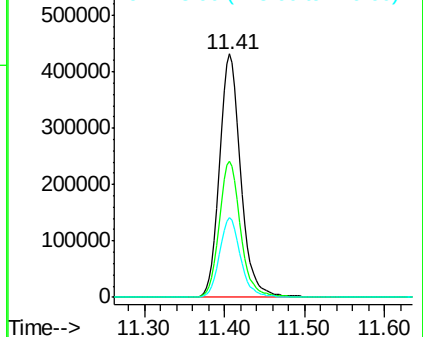
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054910.D
Acq: 2 Apr 2019 18:55

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion:117 Resp: 795502
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 32.8 25.8 38.6

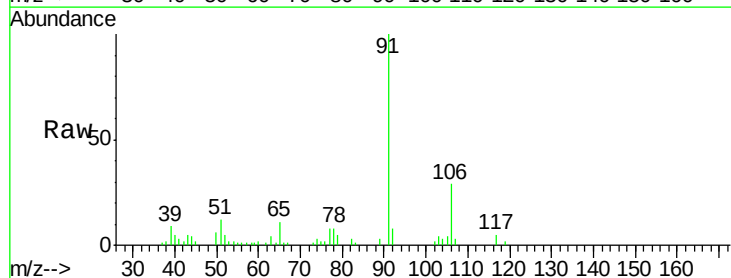


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

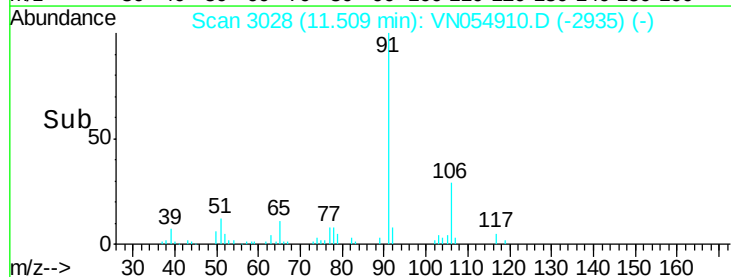
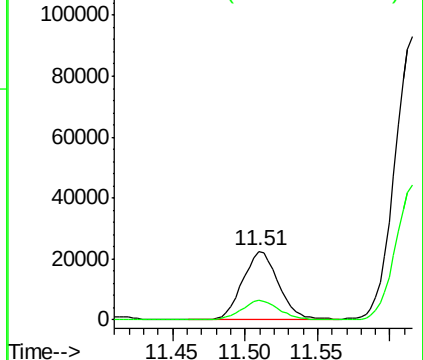


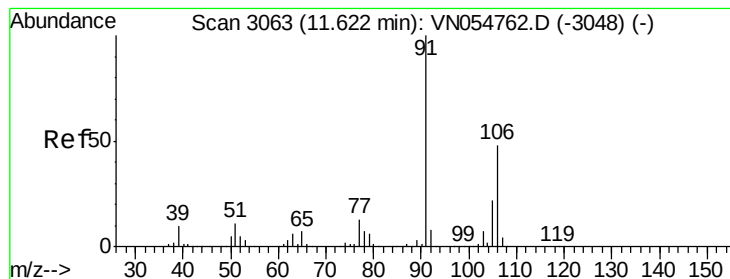
#67
Ethyl Benzene
Concen: 1.390 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054910.D
Acq: 2 Apr 2019 18:55

Tgt Ion: 91 Resp: 39057
Ion Ratio Lower Upper
91 100
106 28.6 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 8.162 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN054910.D

Acq: 2 Apr 2019 18:55

Instrument :

MSVOA_N

ClientSampled :

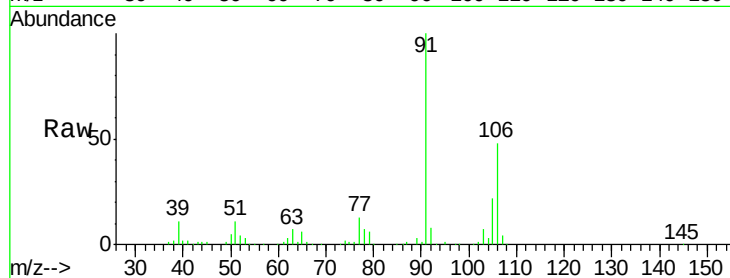
COMP-1

Tot Ion:106 Resp: 84897

Ion Ratio Lower Upper

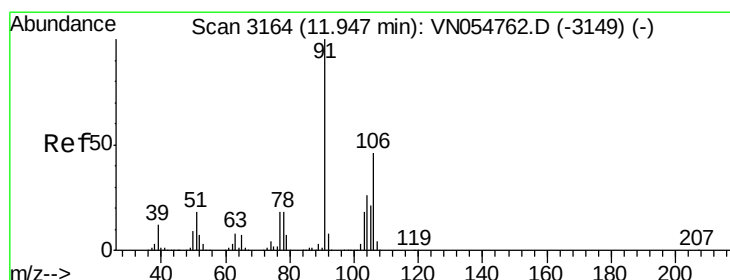
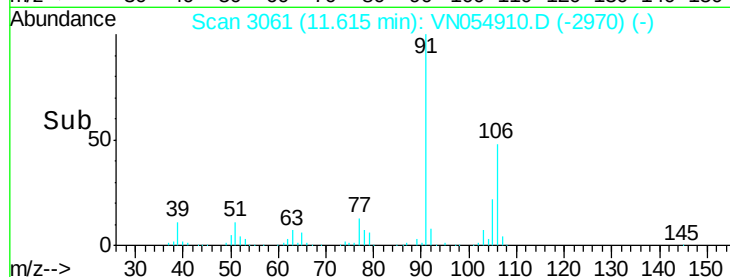
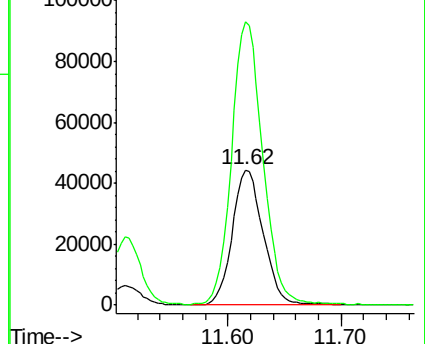
106 100

91 208.6 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 3.220 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054910.D

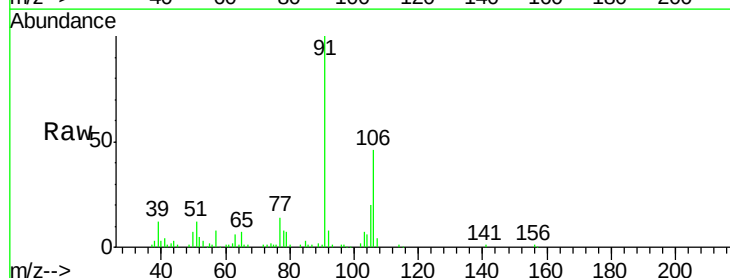
Acq: 2 Apr 2019 18:55

Tgt Ion:106 Resp: 32839

Ion Ratio Lower Upper

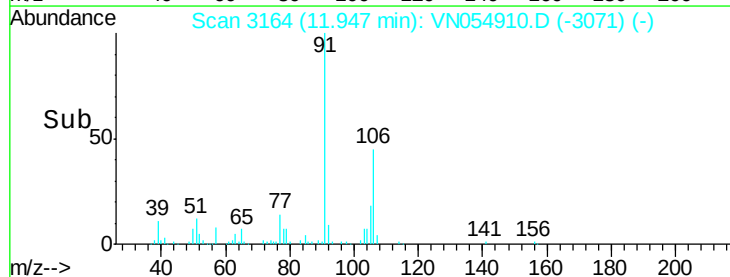
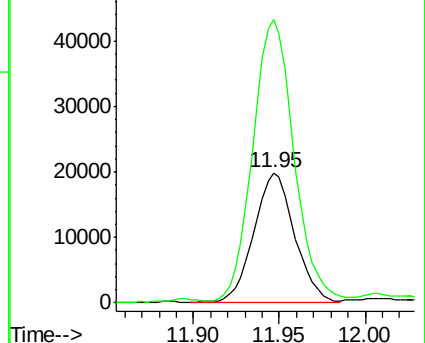
106 100

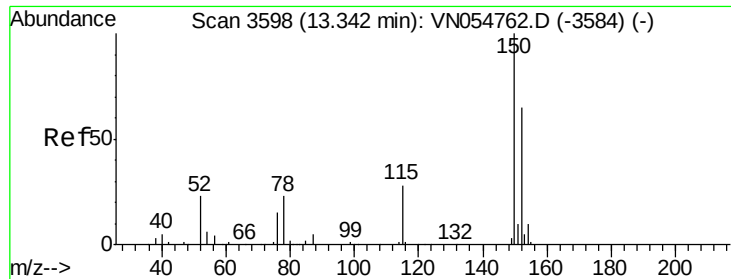
91 216.8 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054910.D

Acq: 2 Apr 2019 18:55

Instrument :

MSVOA_N

ClientSampled :

COMP-1

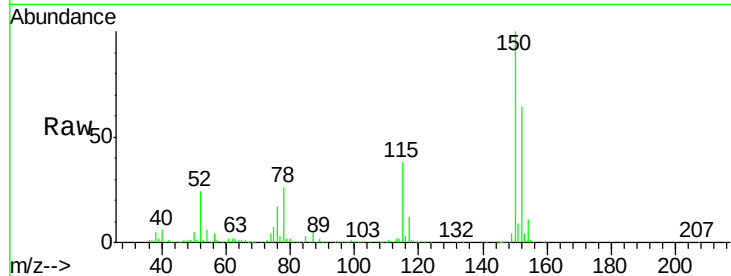
Tot Ion:152 Resp: 305341

Ion Ratio Lower Upper

152 100

115 59.3 27.2 81.6

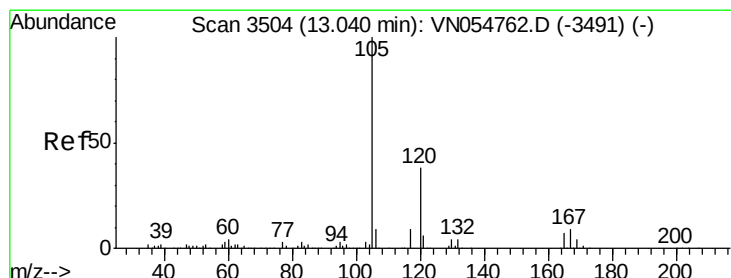
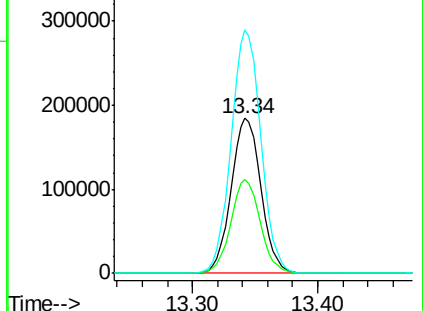
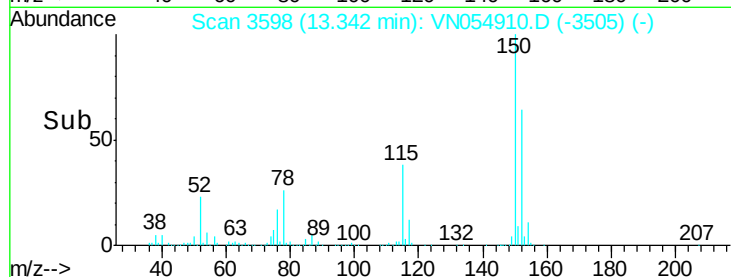
150 156.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 2.172 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054910.D

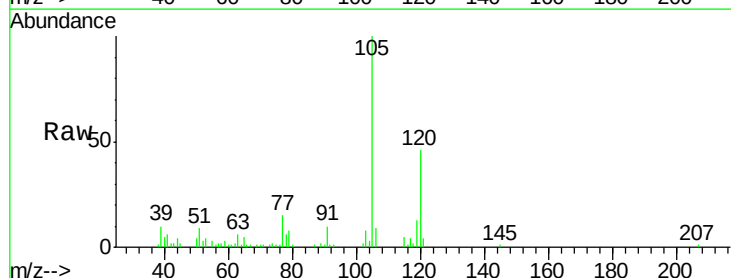
Acq: 2 Apr 2019 18:55

Tgt Ion:105 Resp: 42373

Ion Ratio Lower Upper

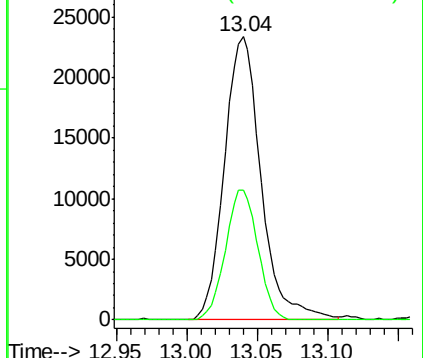
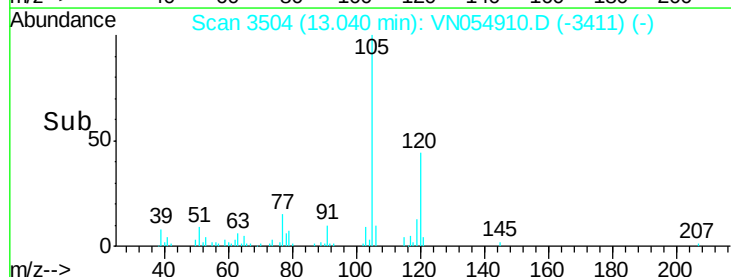
105 100

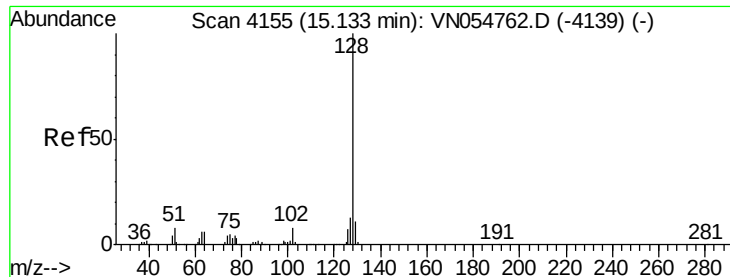
120 40.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 6.540 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054910.D

Acq: 2 Apr 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

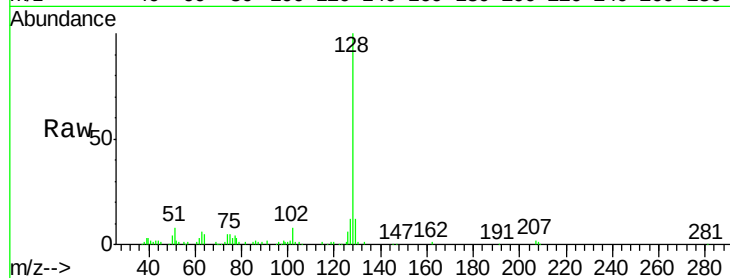
Tot Ion:128 Resp: 71976

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

